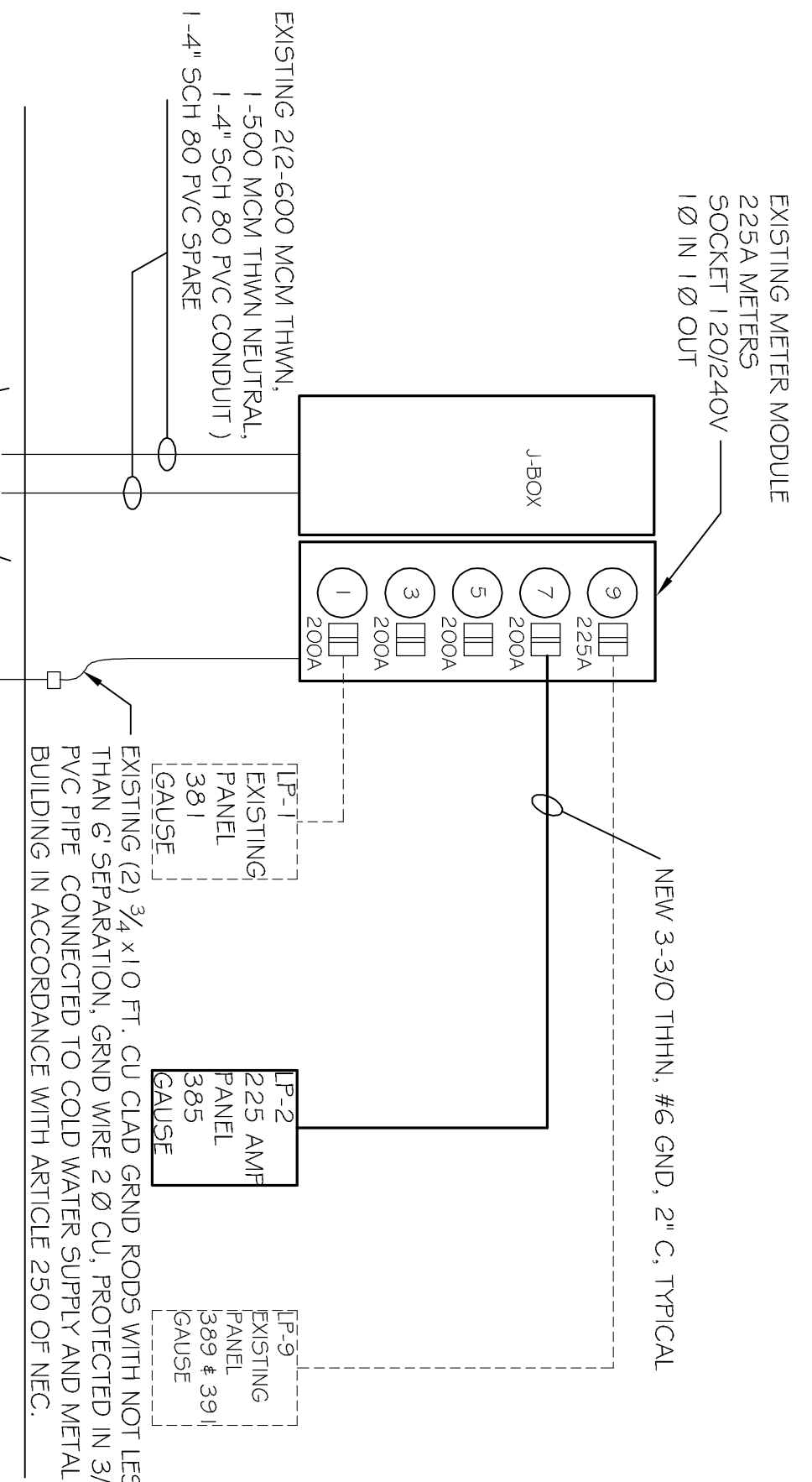


POWER PLAN
SCALE: 3/16"=1'

ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENT'S HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
6. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR. COLUMNS, HUNG CEILING, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT. AS WELL AS TO PERMIT THE INSTALLATION OF THE ELECTRICAL WORK AS SHOWN ON THE PLANS AND DETAILS.
8. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
9. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE THE W/C GAUGE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILING IN AIR CONDITIONED SPACES, WHERE LAY IN FIXTURES ARE IN USE; USE 1/4" 2 ALLOWED FOR 6" WIDTH.
10. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
11. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR RECEPTACLES. SHALL ALSO BE WATERPROOF.
12. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-63, NFPA 250-23, 250-71 & 250-72.
13. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
14. FUSES SHALL BE IN CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
15. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHAL.
16. EXTERIOR LIGHTING SHALL BE SHAPED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CALKED. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM E814.)



- LEGEND**
- ⊕ - RECEPTACLE 20A 120V
 - ⊕ - GFI RECEPTACLE 20A 120V
 - ⊕ - 20A 120V RECEPTACLE GFI AT DECK ABOVE
 - ⊕ - GFI WEATHERPROOF RECEPTACLE 20A 120V
 - ⊕ - TELEPHONE/DATA
 - ⊕ - DISCONNECT
 - ⊕ - POWER PANEL

CIRCUIT NO.	THIN WIRE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	M.A.	B.C.	POLE	AMP	LOAD DESCRIPTION	THIN WIRE	CIRCUIT NO.
1	#6	AHU #1	50 2	5000	4800	2	40	AHU #1	#8	2	
3	#6	10 MW	50 2	5000	4800	2	40	A/C COMPRESSOR	#8	4	
5	#6	AHU #2	50 2	5000	4800	2	40	AHU #2	#8	6	
7	#6	10 MW	50 2	5000	4800	2	40	A/C COMPRESSOR	#8	8	
9	#6	AHU #1	50 2	5000	4800	2	40	AHU #1	#8	10	
11	#6	10 MW	50 2	5000	4800	2	40	A/C COMPRESSOR	#8	12	
13	#12	AIR FORCE LOBBY & OFFICE RECEPTACLES	20 1	1440	3600	2	30	WATER HEATER	#8	14	
15	#12	WATER OFFICE & WATER/APPERCE	20 1	1440	3600	2	30	A/C COMPRESSOR	#8	16	
17	#12	WATER OFFICE & OFFICE RECEPTACLES	20 1	1600	3500	1	20	EXT. EMERGENCY LIGHTS	#12	18	
19	#12	MARINES LOBBY & HALL RECEPTACLES	20 1	1800	2000	1	20	MARINES LOBBY AND HALL	#12	20	
21	#12	MARINES LOBBY & HALL RECEPTACLES	20 1	960	3200	1	20	MARINE LOBBY AND HALL FLORESCENT LIGHTS	#12	22	
23	#12	HALL & WOMEN RESTROOM RECEPTACLES	20 1	1600	2000	1	20	MARINE OFFICE & TEST FLORESCENT LIGHTS	#12	24	
25	#12	WOMEN & MEN RESTROOMS & APPERCE	20 1	1120	1600	1	20	MARINE OFFICE AND JANITOR	#12	26	
27	#12	WOMEN & MEN RESTROOMS & APPERCE	20 1	960	1600	1	20	HALL FLORESCENT LIGHTS	#12	28	
29	#12	NAVY LOBBY AND LOBBY RECEPTACLES	20 1	1600	2400	1	20	MARINE OFFICE FLORESCENT LIGHTS	#12	30	
31	#12	NAVY LOBBY AND LOBBY RECEPTACLES	20 1	1440	900	1	20	MARINE LOBBY TRUCK LIGHTING	#12	32	
33	#12	EXTERIOR WALL MOUNTED LIGHTS	20 1	400	1200	1	20	MARINE OFFICE, MARINE & APPERCE TEST	#12	34	
35	#12	EXTERIOR WALL MOUNTED LIGHTS	20 1	160	1600	1	20	MEN & WOMEN RESTROOMS FAN/LIGHT	#12	36	
37	#12	MARINE OFFICE QUARTER OUTLET	20 1	160	840	1	20	SECURITY CAMERAS	#12	40	
39	#12	MARINE OFFICE QUARTER OUTLET	20 1	160	840	1	20	SHAVE	#12	42	
41	#12	NAVY OFFICE QUARTER OUTLET	20 1	160	-	1	20		#12	42	
				TOTAL CONNECTED LOAD (VA)=51,580							

ARMY/NAVY/AIR FORCE/MARINE CORPS
3-5 1-367 CALISE BOULEVARD, WEST SLIDELL, LA 70460

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JOB No: 2162 DATE: 04-04-2013
DRAWN BY: JCT CHECKED BY: CD

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POWER PLAN

SHEET No: 7 OF 9

E1